

HAZARDOUS MATERIAL MANAGEMENT APPENDIX B

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Material	Purpose	Usage/Day	Maximum Storage	Storage Type
Acetylene	Welding	As needed	270 cf.	Cylinder
Ammonium bifluoride (NH ₄ HF ₂)	Chemical cleaning of HRSG	As needed	Temporary only	Portable vessel
Aqueous ammonia ([19%] NH ₄ (OH))	NOx emissions control	300 lbs/day	12,000 gal.	Underground tank
Argon	Welding	As needed	270 cf.	Cylinder
Betz PL 1200 P	Oxygen Scavanger	5 gal.	275 gal.	Drums
Betz Steamate NA 0160	Organic amine type corrosion inhibitor for steam	As needed	0	Portable vessel
Betz NA 0240	Organic amine type corrosion inhibitor for steam	2 gal.	250 gal.	Portable vessel
Betz Optisperse	Boiler feedwater pH adjustment	As needed	110 gal.	Drums
Betz Spectrus OX1201	Cooling tower biocide, oxidizing type	2 gal.	400 gal.	Portable vessel
Betz Foamtrol 4440	Cooling tower antifoam	2 gal.	110 gal.	Portable vessel
Betz AZ8104	Cooling water copper inhibitor	25 gal.	275 gal.	Portable vessel
Betz Dianodic DN 2301	Cooling water scale and deposit control	10 gal.	600 gal.	Portable vessel
Betz 3200	Recirculating cooling water molybdate type corrosion inhibitor	10 gal.	40 gal.	Carboy
Citric acid	Chemical cleaning of HRSG, feedwater systems	As needed	Temporary only	Portable vessel
Diesel fuel oil	Emergency generator	As needed	2,000 gal.	Tank, UL C.S.
EDTA chelant	Chemical cleaning of HRSG, feedwater systems	As needed	Temporary only	Portable vessel
Hydrochloric acid (HCl)	Chemical cleaning of HRSG	As needed	Temporary only	Portable vessel
Lubricating oil	--	As needed	10,000 gal.	Lubricating sumps of turbine and combustion and steam
Mercury	Instruments and controls	As needed	0	Bottle

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Mineral oil	Transformers	As needed	1,000 gal.	Transformers
Nitrogen	Transformers	As needed	275 cf.	Cylinder
Oxygen scavenger solution	Feedwater oxygen control	6 lb	300 gal.	Portable vessel
Oxygen-gaseous	Welding operation	As needed	275 cf.	Cylinder
Paint	Paint shack	25 gal.	100 gal.	Can
Sodium hydroxide	Spill neutralization	As needed	2 gal.	Carboy
Sodium hypochlorite (12% wt NaOCl)	Biocide for condenser cooling water system water treatment	109 gal.	7,500 gal.	Aboveground storage tank, plastic
Sodium metabisulfate	Dechlorination of Discharge 001	300 gal.	4,500 gal.	FRP Tank
Sodium nitrite (NaNO ₂)	Chemical cleaning of HRSG	As needed	Temporary only	Portable vessel
Sulfuric acid for station batteries	Electrical/ctrl. Bldg., Combustion turbine	As needed	100 gal.	Battery
Hydrated Lime	ZLD	1,010 lbs	20 to 40 tons	Silo
Soda Ash	ZLD	4,012 lbs	20 to 40 tons	Silo
Ferric Sulfate, Fe ₂ (SO ₄) ₃	ZLD	144 lbs	1,500 lbs	Bags
Cationic Polymer	ZLD	5 lbs	1,500 lbs	Bags
Antiscalant	ZLD	14 lbs	1,500 lbs	Bags
Sulfuric acid, H ₂ SO ₄ , 93%	ZLD	3.5 gal.	110 gal.	Drums
Caustic NaOH, 50%	ZLD	61 gal.		Storage tank

Source: SCPPA 2001a, AFC Table 5.15-1 and SCPPA 2002a, Supplement to the AFC Table 3.4-8.